MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2015/2016

DCS5288 – INTERNET AND WEB PUBLISHING

(DIT & DBIS Students Only)

9 MARCH 2016
9.00 a.m. – 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENT:

1. This booklet consists of **NINE (9)** pages excluding the cover page. There are **TWO (2)** sections in this booklet.

2. **SECTION A**: There are **TWENTY (20)** Multiple Choice Questions (MCQ) (20 marks). Answer **ALL** questions on the OMR sheet provided.

3. **SECTION B**: There are **FOUR (4)** structured questions (60 marks). Answer **ALL** questions in the answer booklet provided.

SECTION A: MULTIPLE CHOICE QUESTIONS (MCQ) (20 Marks)

Instruction: *Answer all the questions in this section and shade your answers on the OMR sheet provided.*

1. In 1993, the _____ browser, which could display graphics as well as text was released.
   A. Mozilla Firefox
   B. Internet Explorer
   C. Netscape Navigator
   D. Mosaic

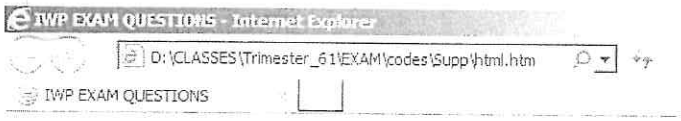
2. _____ detects errors or lost data and triggers retransmission of data.
   A. IP
   B. TCP
   C. HTTP
   D. FTP

3. _____ are actual applications that are downloaded and installed in a smart device, rather than being within a browser.
   A. Mobile apps
   B. Mobile webs
   C. Plug-ins
   D. Add-ons

4. _____ implement a security policy, which distinguish "good" traffic from "bad" traffic.
   A. Taggings
   B. Protocols
   C. Firewalls
   D. Anti virus

5. When a value must be filled in an input element, the property _____ can be used.
   A. selected
   B. must
   C. required
   D. set

6. Which of the following will produce the following output on the browser?



   A. IWP EXAM QUESTIONS
   B. <title>IWP EXAM QUESTIONS</title>
   C. <h1>IWP EXAM QUESTIONS</h1>
   D. <head>IWP EXAM QUESTIONS</head>

Continued.....

7. The _____ attribute specifies an image to be shown while the video is downloading, or until the user hits the play button.
   A. poster
   B. image
   C. src
   D. title

8. To immediately jump to a specific input so that the user can quickly begin using the form, the attribute _____ can be used in HTML forms.
   A. autocomplete
   B. autofill
   C. autofocus
   D. focus

9. How can a comment be inserted into a CSS file?
   A. // //
   B. //
   C. #
   D. /* */

10. Which of the following is the correct way to use Inline CSS for a paragraph tag?
    A.
    B. <style = "..."> </style>
    C. <style p = "..."> </style>
    D. <style = "..."> </style>

11. In the following code snippet, what value is given for the right margin?
    margin:5px 10px 15px 20px;
    A. 20px
    B. 15px
    C. 10px
    D. 5px

12. The symbol # specifies that the selector is a(n) _____.
    A. section
    B. tag
    C. class
    D. id

13. Which of the followiing will be displayed when an alert is written as
    `alert("Hello.\nHow are you?");`
    A. Hello.\nHow are you?
    B. Hello.
       How are you?
    C. Hello. How are you?
    D. This statement will generate a syntax error.

Continued.....

14. In JavaScript, the _____ method displays a dialog box with a specified message, along with an OK and a Cancel button.
    A. document.write()
    B. confirm()
    C. alert()
    D. prompt()

15. Which of the following JavaScript codes will complement the statement given below?
    document.getElementById("demo").innerHTML = "Version 1";
    A.
    B. document.write(demo);
    C. alert(demo);
    D. prompt(demo);

16. Arrays in JavaScript can be declared as _____.
    A. myArray = "Maths";"History";"English";
    B. myArray = Array = "Maths","History","English";
    C. myArray = Array("Maths","History","English");
    D. myArray = new Array("Maths","History","English");

17. Which of the following just clears the data from a session variable?
    A. session_unset();
    B. session_destroy();
    C. session_clear();
    D. session_end();

18. The _____ function fetches a result row as an associative array.
    A. mysqli_select_db()
    B. mysqli_connect()
    C. mysqli_fetch_assoc()
    D. mysqli_num_rows()

19. In PHP, which of the following is used to define a constant?
    A. def
    B. constant
    C. const
    D. define

20. Which keyword in PHP is used for an element with no defined value?
    A. void
    B. null
    C. empty
    D. undefined

Continued.....

SECTION B: STRUCTURED QUESTIONS (60 Marks)

Instruction: *Answer all the questions in this section and write your answers in the answer booklet provided.*

QUESTION 1 -- HTML (15 Marks)

(a) Write the HTML codes to display the table shown below. Set the table width to 700px. [7 marks]

Monthly Training Schedule

Month	Schedule		Available Courses
	Start	End	
May	12th	13th	MS Excel for Beginners
July	24th	26th	Advanced Python Programming
All applications must be approved by the Director			

(b) Write the HTML codes for the following.

(i) Create an image hyperlink using *contact.jpg* and link it to the email address *contactus@gmail.com*. [2 marks]

(ii) Create a drop down box to accommodate months April to June and choose May as the default value. [2 marks]

(iii) Create the list shown below which has a square bullet. [2 marks]

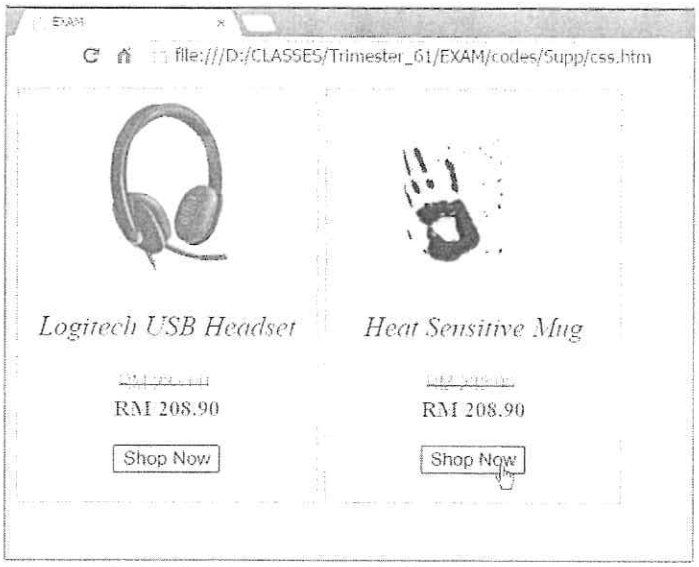
- DCS5288
- DCS5078
- DCS5038

(iv) Insert a background music *journey.mp3* for a webpage and the music should play automatically upon loading of the page. Show a message to the user if the browser does not support the audio element. [2 marks]

Continued.....

QUESTION 2 -- CSS (15 Marks)

(a) Write the Internal CSS codes for the table design shown below. The HTML codes are given for your reference. [8 marks]




```
<div id="box">
     <img src="headset.jpg" />
     <p class="name">Logitech USB Headset</p>
     <p>
          <span class="old-price">RM 233.00</span>
          <br /><span class="new-price">RM 208.90</span>
     </p>
     <p><input type="submit" name="sendbtn" value="Shop Now" /></p>
</div>

<div id="box">
     <img src="mug.jpg" />
     <p  class="name">Heat Sensitive Mug</p>
     <p>
          <span class="old-price">RM 233.00</span>
          <br /><span class="new-price">RM 208.90</span>
     </p>
     <p><input type="submit" name="sendbtn" value="Shop Now" /></p>
</div>
```

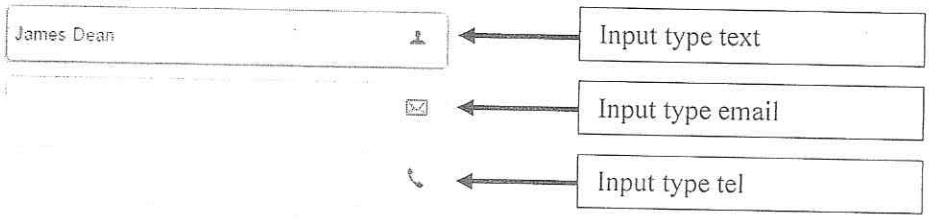
Guides

- Webpage:
  - Has a background image *bg.jpg*. The image has been resized to 50px in width and height.

Continued.....

- Box:
  - The width is 200px and the background colour is white. The borders are single lined with a thickness of 2px and the colour is orange. The contents are center aligned and the space between the content and the borders is 5px.
  - There is a space of 5px between the boxes.
- Image: The height and width is 130px.
- The product name: The names are in italic and the size is 1.25em.
- Old price:
  - Uses Arial Narrow and the colour is red. There is a line through the price.
- New price: It is bold and blue.
- Button:
  - Has a single line 1px black border and the background colour is #EEDD99.
  - On mouseover, its background colour changes to #99DDEE and the cursor changes to a pointer.

(b) Write the External CSS codes for the following button. You are also required to write the codes to reference the external CSS file called *design.css*. [7 marks]



Guides

- All input boxes:
  - The width is 300px and the height is 30px.
  - Borders are rounded by 5px. The borders are single line which is 1 px thick and the colour is #BBB.
  - Each textbox are separated by 10px from the box below it.
  - The content is limited to 20px from the right border so as not to overlap the image.
- The email textbox:
  - The image is *email.png*.
  - The image is located 295px from the left and 10px from top.
- The text textbox:
  - The image is *user.png*.
  - The image is located 295px from the left and 10px from top.
- The tel textbox:
  - The image is *phone.png*.
  - The image is located 295px from the left and 10px from top.

Continued.....

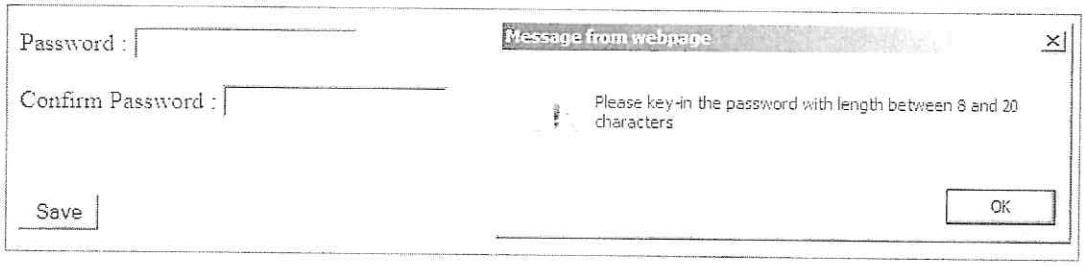
- When the cursor is in each input box:
  - The border colour changes to #09F.
  - The shadow has a 7px spread from the middle and the shadow colour is #BBB.

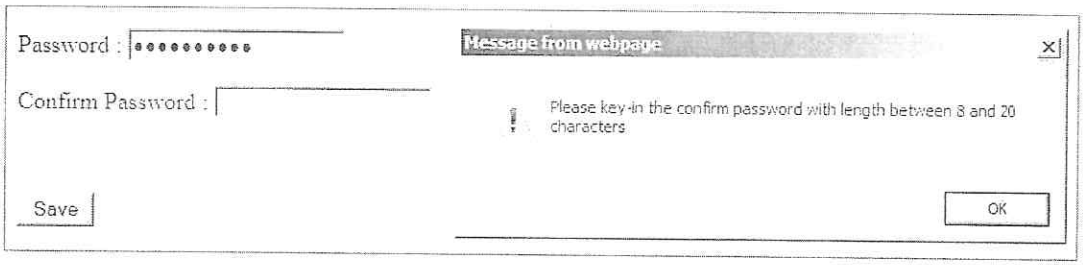
QUESTION 3 -- JavaScript (15 Marks)

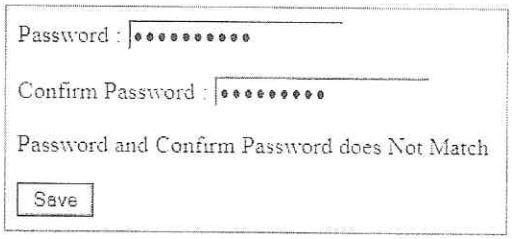
(a) Write only the JavaScript codes to validate a password and confirm password box. [8 marks]

- Check the *password* box to make sure it is filled and the length is between 8 and 20 characters. Display an alert "*Please key-in the password with length between 8 and 20 characters.*" if the rule is not fulfilled.
- Check the *confirm password* box to make sure it is filled and the length is between 8 and 20 characters. Display an alert "*Please key-in the confirm password with length between 8 and 20 characters.*" if the rule is not fulfilled.
- Make sure both password and confirm password match. Otherwise display a message "*Password and Confirm Password does Not Match*" using innerHTML with an id named *err-mess*.
- If all values are keyed in correctly, display an alert "*Details Saved*".

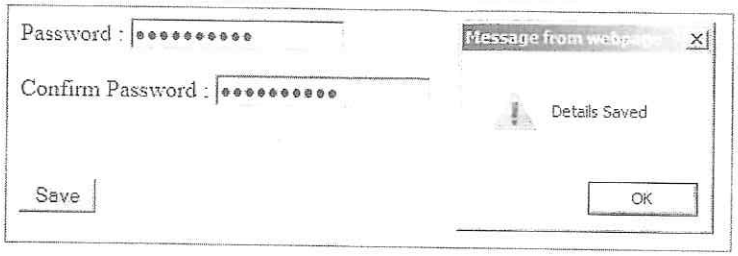
Sample Output





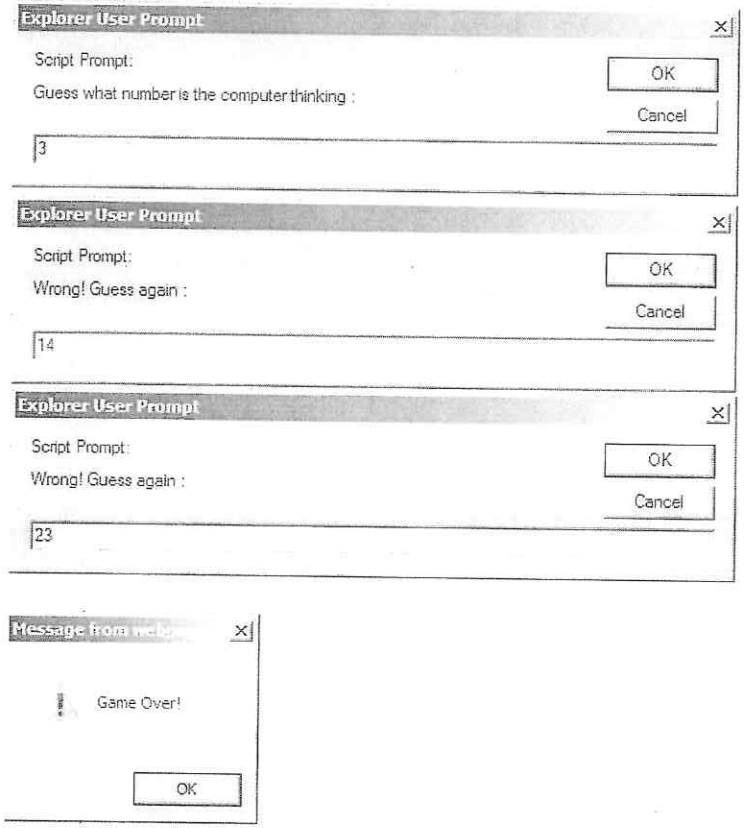


Continued.....

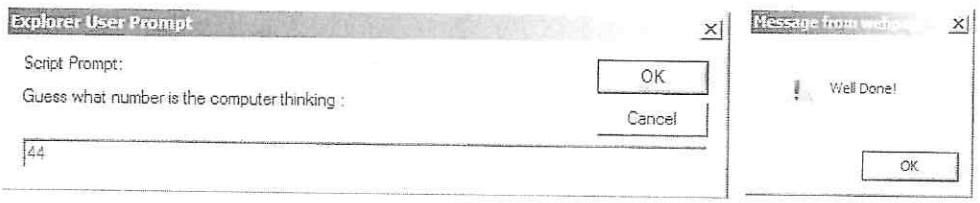


(b) Create a random number between 15 and 45 in JavaScript. Next, ask the user to guess the random number value. The user is given 3 chances to guess the correct number. If the user guessed the correct number within 3 tries, display an alert "*Well Done!*". Otherwise display an alert "*Game Over!*". [7 marks]

Sample output 1



Sample output 2



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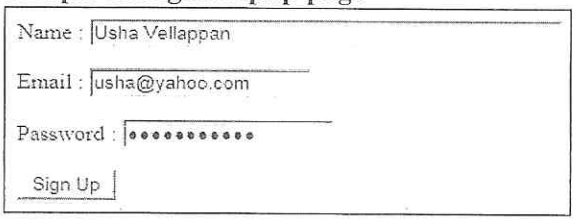
QUESTION 4 – PHP & MySQL (15 Marks)

The figure below shows table **MEMBER** from MySQL.

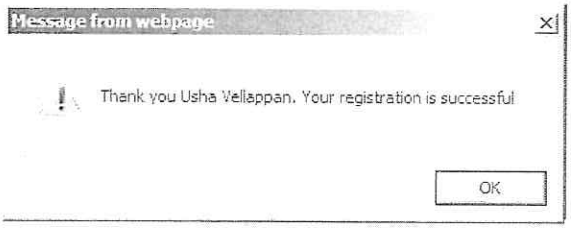
Attribute Name	Data Type
mem_id (Primary Key, Autoincrement)	int(5)
mem_name	varchar(50)
mem_email	varchar(50)
mem_password	varchar(100)

(a) Write only the PHP codes to register a new member for a club. The email address must be unique, otherwise display an alert "*Email address already existed.*". The password must be encrypted before being stored into the database table. Once the data have been stored successfully, display an alert as shown below. [8 marks]

Sample of register.php page



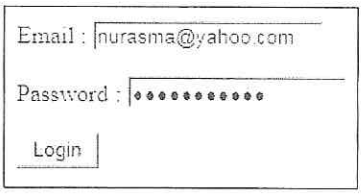
Form method = post
Textbox 1 = Mem_Name
Textbox 2 = Mem_Email
Textbox 3 = Mem_Pword
Button = regbtn



Content of table member

mem_id	mem_name	mem_email	mem_password
1	Nurasma Shamsuddin	nurasma@yahoo.com	a7852011ef083d9d2ab64c4372a4957f
2	Usha Vellappan	usha@yahoo.com	26220215bb00e5eb98d930ef83bd472a

(b) Based on question (a), write the login page for the members. If the email address and password are valid, proceed to *profile.php*. Otherwise show an alert "*Wrong Email Address or Password*". Use a session variable to store the value of the member id so that the member's details could be displayed at the profile page.
[7 marks]



Form method = post
Textbox 1 = Mem_Email
Textbox 2 = Mem_Pword
Button = logbtn

End of Page.